Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/18/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125102	0	1.22	125047	1.21
Blue	F	SSC	125000	124757	-1	2.37	125298	2.27
Blue	E	FITC	13602	13216	-3	2.19	369	13.27
Blue	D	PE	24891	24442	-2	1.63	580	10.28
Blue	B	PerCP-Cy5-5	33972	33173	-3	2.88	944	14.67
Blue	A	PE-Cy7	22865	22841	-1	4.9	475	29.56
Red	C	APC	47198	46281	-2	2.69	1599	11.21
Red	A	APC-Cy7	26454	25611	-4	3.25	724	12.25
Violet	B	V450	6737	6486	-4	3.72	451	11.38
Violet	A	V500	29317	28224	-4	3.29	963	8.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24306	2.07	533	-2	N/A	N/A	Pass
Blue	F	SSC	56138	1.93	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	484	0	0.0449	98	Pass
Blue	D	PE	113	37.53	487	1	0.4102	278	Pass
Blue	B	PerCP-Cy5-5	149	41.34	579	0	0.0207	93	Pass
Blue	A	PE-Cy7	80	76.78	623	2	0.0239	2	Pass
Red	C	APC	335	25.34	572	0	0.0300	206	Pass
Red	A	APC-Cy7	135	34.73	550	-1	0.0065	1421	Pass
Violet	B	V450	77	46.47	442	-8	0.0584	2305	Pass
Violet	A	V500	114	31.45	461	-8	0.0262	1003	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.91	-31.43	1.15
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.21	13.90 - 20.86	N/A	N/A	29.56	29.99	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14215

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments